

REMARKS

This Response is in reply to the non-Final Office Action mailed on November 29, 2006. Claims 1-7 and 9 are pending in this application. Claims 1, 4, and 5 have been amended. No new matter has been added. Entry and reconsideration of the amendments and following remarks is respectfully requested.

Amendments to the Claims

Claims 1, 4, and 5 have been amended to correct minor informalities. No new matter has been added.

Rejection of Claims 1-7 and 9

Claims 1-7 and 9 were rejected under 35 U.S.C. §102 (b) as being anticipated by U.S. Patent No. 5,379,652 to Allonen. The Examiner's rejections are respectfully traversed.

The present invention is a device and method for monitoring and storing the properties of a roll of a paper, board or pulp machine and changes taking place in said properties and the ambient conditions. The invention is carried out by arranging a memory unit within the roll and storing in the memory unit at least those properties *of the roll* which effect on a control values of the machine. The storing takes place in connection with a manufacture or servicing of the roll in question *before* the roll is taken for installation into the machine, or taken to be stored for later

use as a functional part of the machine. Finally, the stored changes in the memory unit are transmitted to the control unit of the machine or the separate data processing system which is used for serving data to the control unit. The properties of the roll to be stored in the memory unit concerns *at least one of the following*: diameter of the roll, weight of the roll, deflection of a mantle of the roll, a composition of a surface material of the mantle of the roll, surface roughness of the roll, hours of operation of the roll and operations carried out during the servicing of the roll.

In contradistinction, the Allonen reference does not teach or suggest storing properties *of the roll* nor does it disclose storing the properties *before* the roll is installed in the machine. The Allonen reference teaches a method for measuring the nip force and/or the nip pressure in a nip formed by a revolving roll in the manufacturing of paper by utilizing a series of detectors. Nip force and nip pressure are not properties of a single roll. In order to create nip force or nip pressure a roll must press against a second roll or element. The property is not descriptive of the roll, but rather of the roll assembly. A roll by itself cannot have a nip force or nip pressure. Furthermore, nip force and nip pressure are not one of the properties listed in the claims: “the properties of the roll to be stored in the memory unit which accompanies the roll concerns at least one of the following: diameter of the roll, weight of the roll, deflection of a mantle of the roll, a composition of a surface material of the mantle of the roll, surface roughness of the roll, hours of operation of the roll and operations carried out during the servicing of the roll.” It should be noted that all of the listed properties are descriptive of the roll itself and not the roll assembly.

The Allonen reference also fails to disclose storing the properties in connection with a manufacture or servicing of the roll in question *before* the roll is taken for installation into the machine, or taken to be stored for later use as a functional part of the machine. In Allonen, the data is measured, transmitted, and stored while the roll is revolving. This must be the case because the only measured property is nip force/pressure. Therefore, Allonen does not anticipate the claimed invention.

For at least the reasons set forth above, independent claims 1 and 5 are patentable over the cited prior art. Claims 2-4 and 6, 7, and 9 are patentable because of their dependence from claims 1 or 5. Accordingly, it is respectfully requested that the rejections under 35 U.S.C. §102(b) be withdrawn.

Conclusion

In view of the amendments to the claims made herein and the arguments presented above it is submitted that the Examiner's rejections and objections have been overcome and should be withdrawn and the claims should be allowed.

It is believed that the submission of this Amendment is timely. In the event that any extensions and/or fees are required for the entry of this Amendment, the Commissioner is specifically authorized to charge such fee to Deposit Account No. 50-0518 in the name of Steinberg & Raskin, P.C.

Should any changes to the claims and/or specification be deemed necessary to place the application in condition for allowance, the Examiner is respectfully requested to contact the undersigned to discuss the same.

An early and favorable action on the merits is earnestly solicited.

Respectfully submitted,

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